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CLAIMS

- 1. (Previously presented) A method for constructing MPEG I-frames comprising the steps of:
 - a) configuring a JPEG engine to produce JPEG data in which all discrete cosine transform coefficients are encoded in a byte-aligned manner; and
 - b) performing JPEG processing, using the JPEG engine, on an uncompressed digital image of a scene, producing JPEG data in which the discrete cosine transform coefficients are encoded in a byte-aligned manner; and
 - c) reading the JPEG data;
 - d) converting the JPEG data to MPEG data; and
 - e) constructing an MPEG I-frame comprising the MPEG data.
- (Original) The method of claim 1, further comprising the step of storing the MPEG data in an MPEG file.
- 3. (Original) The method of claim 2, further comprising the step of adding file header information to the MPEG file.
- 4. (Original) The method of claim 1 wherein the step of configuring the JPEG engine is accomplished by specifying table generating values that are used by the JPEG engine to generate Huffman code tables.
- 5. (Previously presented) The method of claim 1, further comprising the steps of:
 - a) providing conversion tables for converting JPEG data in which discrete cosine transform coefficients are encoded in a byte-aligned manner to MPEG data;
 and
 - b) performing the step of converting the JPEG data to MPEG data using the conversion tables.
- 6. (Previously presented) A digital imaging device comprising:
 - a) a lens for focusing light; and
 - b) an electronic array light sensor for receiving the focused light from the lens; and

- c) a logic unit for controlling the digital imaging device and receiving image information from the electronic array light sensor, the logic unit comprising a microprocessor system and a JPEG engine, the logic unit adapted to
 - configure the JPEG engine to produce a data stream in which discrete i. cosine transform coefficients are encoded in a byte-aligned manner; and
 - convert the data stream to an MPEG data stream representing an MPEG ii. I-frame.
- 7. (Original) The digital imaging device of claim 6 wherein the digital imaging device is a camera.
- 8. (Previously presented) An image compression system comprising:
 - a) means for obtaining an uncompressed digital image; and
 - b) means for performing JPEG image processing; and

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- c) means for configuring the JPEG processing means to produce a JPEGcompliant data stream in which all discrete cosine transform coefficients are encoded in a byte-aligned manner; and
- d) means for converting the data stream to a data stream representing an MPEG I-frame.

9-14. (Cancelled)